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Published to advance the Science of cold-blooded vertebrates

THE PINE SNAKE IN VIRGINIA.

Records for the Pine Snake, *Pituophis melano-leucas* (Daudin), outside of Florida and New Jersey are few and far between. In fact the only ones I have been able to find are the one in Brimley's North Carolina list from Swain Co., N. C., and a specimen in the National Museum from Blount Co., Tenn. Both of these localities are in the Big Smoky Mountains.

It is of interest then that a dead specimen about 3' 6" long was found on August 19, on the road across the "Spur" between Nimrod Hall and Milboro Springs, in Bath Co., Va.

This locality is in the Alleghany Mountains and the altitude is about 1,000 feet. The road at this point was bordered on each side by a rather steep slope covered with laurel and rhododendron.

This snake is fairly well known in Virginia as the "bull snake." It does not seem to occur outside of the mountains as all of the many stories of this snake, reputed to reach a length of twelve feet, have their scene in the western tier of counties.

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Ratio of Length, Girth and Weight in the Perch.

The accompanying table shows the length, girth and weight ounces of 79 perch (*Perca flavescens*), caught in Stony Creek Pond, Coreys, Franklin Co., N. Y., August, 1917. The table indicates that the

Length	Girth	Weight	Length	Girth	Weight
11 $\frac{1}{8}$	7 $\frac{1}{8}$	12	8 $\frac{5}{8}$	5 $\frac{1}{4}$	4 $\frac{3}{4}$
9 $\frac{3}{4}$	6	7 $\frac{1}{2}$ +	8 $\frac{3}{4}$	5 $\frac{1}{4}$	4 $\frac{3}{4}$
9 $\frac{3}{4}$	6 $\frac{1}{8}$	7 $\frac{1}{2}$	8 $\frac{5}{8}$	5 $\frac{3}{8}$	5
9 $\frac{1}{2}$	6	6 $\frac{3}{4}$	8 $\frac{3}{4}$	5 $\frac{1}{4}$	4 $\frac{3}{4}$
9 $\frac{1}{2}$	5 $\frac{7}{8}$	6	8 $\frac{3}{4}$	5 $\frac{1}{4}$	4 $\frac{3}{4}$
9 $\frac{1}{4}$	5 $\frac{3}{8}$	5 $\frac{3}{4}$	8 $\frac{5}{8}$	5 $\frac{3}{8}$	5
9 $\frac{1}{4}$	6 $\frac{1}{8}$	6 $\frac{1}{2}$	8 $\frac{1}{2}$	5	4 $\frac{1}{2}$
9 $\frac{1}{4}$	5 $\frac{7}{8}$	6 $\frac{1}{4}$	8 $\frac{1}{2}$	4 $\frac{3}{8}$	3
9 $\frac{1}{4}$	5 $\frac{1}{2}$	5 $\frac{1}{2}$	8 $\frac{1}{2}$	5	4
9 $\frac{1}{8}$	5 $\frac{3}{4}$	5 $\frac{3}{4}$	8 $\frac{5}{16}$	5	4
9 $\frac{1}{8}$	5 $\frac{3}{8}$	5	8 $\frac{1}{4}$	4 $\frac{7}{8}$	4 $\frac{1}{4}$
9 $\frac{1}{8}$	5 $\frac{3}{4}$	5 $\frac{1}{2}$	8 $\frac{1}{4}$	5	4
8 $\frac{7}{8}$	5 $\frac{1}{2}$	5 $\frac{3}{4}$	8 $\frac{1}{4}$	5 $\frac{1}{4}$	4
8 $\frac{7}{8}$	5 $\frac{1}{4}$	5	8 $\frac{1}{8}$	4 $\frac{7}{8}$	3 $\frac{3}{4}$
8 $\frac{3}{4}$	5 $\frac{1}{4}$	4 $\frac{3}{4}$	8 $\frac{1}{8}$	4 $\frac{3}{4}$	3 $\frac{1}{2}$
8 $\frac{5}{8}$	5 $\frac{3}{8}$	5	8 $\frac{1}{8}$	4 $\frac{5}{8}$	3 $\frac{1}{4}$
8 $\frac{1}{2}$	5	4 $\frac{1}{2}$	8 $\frac{1}{8}$	5	4
8 $\frac{1}{2}$	5	4	8 $\frac{1}{8}$	4 $\frac{3}{4}$	3 $\frac{1}{2}$
8 $\frac{1}{2}$	4 $\frac{3}{8}$	3	8	5	3 $\frac{3}{4}$
8 $\frac{7}{9}$	5 $\frac{1}{2}$	5 $\frac{3}{4}$	8	4 $\frac{3}{4}$	3 $\frac{3}{4}$
8 $\frac{7}{9}$	5 $\frac{1}{4}$	5	8	4 $\frac{5}{8}$	3 $\frac{1}{4}$

variation in weight of perch of the same length is never more than one ounce. Also a rough approximation of the weight ounces may be obtained in this species by multiplying the girth squared by the length inches and dividing by 50.

C. W. MEAD,
New York, N. Y.

Length	Girth	Weight	Length	Girth	Weight
8	$5\frac{3}{8}$	$4\frac{1}{4}$	$5\frac{3}{4}$	$3\frac{1}{2}$	$1\frac{1}{4}$
8	$4\frac{5}{8}$	$3\frac{1}{4}$	$5\frac{3}{8}$	$2\frac{7}{8}$	$\frac{3}{4}$
$7\frac{7}{8}$	5	$3\frac{1}{2}+$	$5\frac{1}{4}$	$2\frac{7}{8}$	$\frac{3}{4}$
$7\frac{5}{8}$	$4\frac{3}{4}$	$3\frac{1}{4}$	$5\frac{1}{8}$	$2\frac{3}{4}$	$\frac{3}{4}$
$7\frac{1}{2}$	$4\frac{1}{4}$	$2\frac{3}{4}$	$5\frac{1}{8}$	$2\frac{7}{8}$	$\frac{3}{4}$
$7\frac{3}{8}$	$4\frac{5}{8}$	3	5	$2\frac{3}{4}$	$\frac{3}{4}$
$7\frac{1}{4}$	$3\frac{7}{8}$	$2\frac{1}{4}+$	5	$2\frac{7}{8}$	$\frac{3}{4}$
$7\frac{1}{8}$	$4\frac{3}{8}$	$2\frac{1}{2}$	$4\frac{5}{8}$	$2\frac{5}{8}$	$\frac{1}{2}$
7	$4\frac{1}{8}$	$2\frac{1}{2}$	$4\frac{5}{8}$	3	$\frac{1}{2}+$
$6\frac{7}{8}$	$3\frac{7}{8}$	2	$4\frac{1}{2}$	$2\frac{5}{8}$	$\frac{1}{2}+$
$6\frac{5}{8}$	4	2	$4\frac{3}{8}$	$2\frac{1}{2}$	$\frac{1}{2}$
$6\frac{1}{2}$	$3\frac{3}{4}$	2	$4\frac{3}{8}$	$2\frac{1}{4}$	$\frac{1}{2}$
$6\frac{3}{8}$	$3\frac{5}{8}$	$1\frac{3}{4}$	$4\frac{1}{8}$	$2\frac{5}{16}$	$\frac{1}{2}$
$6\frac{1}{4}$	$3\frac{1}{4}$	$1\frac{1}{4}$	4	$2\frac{3}{8}$	$\frac{1}{2}$
$6\frac{1}{4}$	$3\frac{5}{16}$	$1\frac{1}{2}+$	4	$2\frac{1}{4}$	$\frac{1}{2}$
$6\frac{1}{8}$	$3\frac{1}{2}$	$1\frac{1}{2}$	$3\frac{5}{8}$	$2\frac{1}{16}$	$\frac{1}{3}$
6	$3\frac{3}{8}$	$1\frac{1}{2}$			
6	$3\frac{3}{8}$	$1\frac{1}{2}$			
6	$3\frac{1}{2}$	$1\frac{1}{2}$			
$5\frac{7}{8}$	$3\frac{1}{4}$	$1\frac{1}{4}$			
$5\frac{7}{8}$	$3\frac{1}{4}$	$1\frac{1}{4}$			